JOURNAL OF REGIONAL SCIENCE

INDEX TO VOLUME 12

(1972)

Edited by Walter Isard, Ronald E. Miller and Benjamin H. Stevens
Managing Editor, Ronald E. Miller
Assistant Editor, Elena Yandola

ARTICLES

Central City Neighborhood Food Trading Areas, An Analysis of. GEORGE H. HAINES, JR., LEONARD SIMON, and MARCUS ALEXIS, Vol. 12, No. 1, April 1972, pp. 95–105.

Comparison of Least-Squares Estimates of Regional Employment Multipliers with Other Methods, A. CURTIS BRASCHLER, Vol. 12, No. 3, December 1972, pp. 457–468.

Computational Procedure for Optimally Locating a Facility with Respect to Several Rectangular Regions, A. ROBERT F. LOVE, Vol. 12, No. 2, August 1972, pp. 233–242.

Constrained Dynamic Combinatorial Problems in Space, Exact and Approximate Solutions of. ROBERT E. KUENNE, Vol. 12, No. 1, April 1972, pp. 1–22.

Decreasing Black-White Income Differentials: Evaluating the Evidence and a Linear Programming Framework for Urban Policy Choice. WILLIAM K. TABB, Vol. 12, No. 3, December 1972, pp. 443–456.

Demand for Intercity Passenger Transportation, The. LESTER B. LAVE, Vol. 12, No. 1, April 1972, pp. 71–84.

Distance in Migration: Costs of Mobility Versus Intervening Opportunities, A Note on the Role of. EDWARD MILLER, Vol. 12, No. 3, December 1972, pp. 475–478.

Elasticity of Substitution Between Land and Capital in a Monocentric Housing Market, An Empirical Note on the. ROGER KOENKER, Vol. 12, No. 2, August 1972, pp. 299–305.

"Gravity Law" of Spatial Interaction: A Comment on the Reply, An Economic Derivation of the. W. BRUCE ALLEN, Vol. 12, No. 1, April 1972, pp. 119–126.

"Gravity Law" of Spatial Interaction: A Further Reply and a Reformulation, An Economic Derivation of the. JOHN H. NIEDERCORN and BURLEY V. BECHDOLT, JR., Vol. 12, No. 1, April 1972, pp. 127–136.

Hägerstrand's Model of Spatial Interactions, Some Formal Properties of. STEPHEN GALE, Vol. 12, No. 2, August 1972, pp. 199–217.

Hierarchy Models of City Size: An Economic Evaluation. J. V. HENDERSON, Vol. 12, No. 3, December 1972, pp. 435–441.

Housing Facilities, Site Advantages, and Rent. ROBERT H. NELSON, Vol. 12, No. 2, August 1972, pp. 249–259.

Interregional Commodity Flows: Some Experiments With the Gravity Model. WILLIAM R. BLACK, Vol. 12, No. 1, April 1972, pp. 107–118.

Intrametropolitan Distribution of Minority Economic Welfare, The. BENNETT HARRISON, Vol. 12, No. 1, April 1972, pp. 23–43.

Lagged Response in the Decision to Migrate: A Comment. GENE LABER, Vol. 12, No. 2, August 1972, pp. 307–310.

Lagged Response in the Decision to Migrate: A Reply. MICHAEL J. GREENWOOD, Vol. 12, No. 2, August 1972, pp. 311–324.

Location and Production—A Special Case. ARTHUR P. HURTER, JR. and RICHARD E. WENDELL, Vol. 12, No. 2, August 1972, pp. 243–247.

Methodological Problems of Calculating National Income for Soviet Republics. I. S. KOROPECKYJ, Vol. 12, No. 3, December 1972, pp. 387–400.

Migration in Venezuela, Lifetime Versus One-Year. MILDRED B. LEVY and WALTER J. WADYCKI, Vol. 12, No. 3, December 1972, pp. 407–415.

Migration Process and Time Lags, The. THEODORE P. LIANOS, Vol. 12, No. 3, December 1972, pp. 425–433.

Neoclassical Investment Function, A Simple Disaggregation of a. A. GUCCIONE and W. J. GILLEN, Vol. 12, No. 2, August 1972, pp. 279–294.

Optimal Development Policy in an Open Regional Economy: A Programming Analysis. FREDRICK L. GOLLADAY and A. DAVID SANDOVAL, Vol. 12, No. 2, August 1972, pp. 185–198.

Racial Segregation: A Comment. THOMAS A. REINER, Vol. 12, No. 1, April 1972, pp. 137–148.

Racial Segregation: A Reply. RAYMOND E. ZELDER, Vol. 12, No. 1, April 1972, pp. 149–153.

Regional Demands for Freight Transportation, A Predictive Model of. MICHEL V. BEUTHE, Vol. 12, No. 1, April 1972, pp. 85–93.

Regional Household Consumption Patterns by Urbanization: A Cross-Section Analysis, Differences in. JAMES A. MACMILLAN, FU-LAI TUNG, and R. M. A. LOYNS, Vol. 12, No. 3, December 1972, pp. 417–424.

Regional Interindustry Models: The Washington Data for 1963 and 1967, On the Stability of. WILLIAM B. BEYERS, Vol. 12, No. 3, December 1972, pp. 363–374.

Regional Multipliers and Effective Protection: A Synthesis. DAVID BURRAS HUMPHREY, Vol. 12, No. 1, April 1972, pp. 45–55.

Regional Variations of Capital and Labor Productivity in Soviet Industry. LESLIE DIENES, Vol. 12, No. 3, December 1972, pp. 401–406.

Simulating Short, Intermediate, and Long Run Effects of Private Investment on Employment by Industrial Groupings. GERALD A. DOEKSEN and DEAN F. SCHREINER, Vol. 12, No. 2, August 1972, pp. 219–232.

Spatial Distribution of Unemployment by Occupation in 1968, A Note on the. BRUCE D. PHILLIPS, Vol. 12, No. 2, August 1972, pp. 295–298.

Technical Progress, Economic Growth, and the North-South Wage Differential. RAVEENDRA BATRA and GERALD W. SCULLY, Vol. 12, No. 3, December 1972, pp. 375–386.

Transportation Cost and Industrial Location: An Analysis of the Household Furniture Industry. FRANK E. HOPKINS, Vol. 12, No. 2, August 1972, pp. 261–277.

Urban-Regional Development and Growth Centers: An Econometric Study. WILLIAM C. LEWIS and JAMES R. PRESCOTT, Vol. 12, No. 1, April 1972, pp. 57–70.

Urban Spacing in the USSR: An Analysis of Order Neighbor Statistics in Two Dimensional Space—Erratum, Patterns in. BRENTON M. BARR, IAN J. LINDSAY, and ERHARD R. REINELT, Vol. 12, No. 2, August 1972, p. 325.

Variation of Land Values with Distance from the CBD in St. Louis, A Note on the. KENNETH WIEAND, JR. and RICHARD F. MUTH, Vol. 12, No. 3, December 1972, pp. 469–473.

BOOK REVIEWS

Applied Factor Analysis, by R. J. Rummel. Review by GERALD F. PYLE, Vol. 12, No. 1, April 1972, pp. 155–158.

Causal Models in the Social Sciences, by H. M. Blalock (ed.). Review by YUK LEE, Vol. 12, No. 3, December 1972, pp. 486–488.

Cities and Immigrants: A Geography of Change in Nineteenth Century America, by David Ward. Review by RONALD C. SHECK, Vol. 12, No. 2, August 1972, pp. 330–332.

Combinatorial Programming, Spatial Analysis and Planning, by Allen J. Scott. Review by MICHAEL F. GOODCHILD, Vol. 12, No. 3, December 1972, pp. 484–485.

Demand for Travel: Theory and Measurement, The, by Richard Quandt (ed.). Review by W. BRUCE ALLEN, Vol. 12, No. 2, August 1972, pp. 337–343.

Developing Patterns of Urbanization, by Peter Cowan (ed.). Review by TRUMAN A. HARTSHORN, Vol. 12, No. 2, August 1972, pp. 346–347.

Elementary Mathematical Economics, by S. G. B. Henry. Review by YUK LEE, Vol. 12, No. 1, April 1972, pp. 158–159.

Entropy in Urban and Regional Modeling, by A. G. Wilson. Review by GERALD MCCALDEN, Vol. 12, No. 3, December 1972, pp. 482–484.

Entropy Law and the Economic Process, The, by Nicholas Georgescu-Roegen. Review by STEPHEN GALE, Vol. 12, No. 3, December 1972, pp. 479–482.

General Systems Theory: Foundations, Development, Applications, by LUDWIG VON BERTALANFFY. Review by Thomas J. Wilbanks, Vol. 12, No. 1, April 1972, pp. 168–170.

Graph Theory, by Frank Harary. Review by E. K. MORLOK and H. L. VANDERSYPEN, Vol. 12, No. 1, April 1972, pp. 159–161.

Housing: The Social and Economic Elements, by Wallace F. Smith. Review by WILLIAM H. MICHELSON, Vol. 12, No. 2, August 1972, pp. 334–336.

Impact of Large Installations on Nearby Areas, The, by Gerald Breese *et al.* Review by WILBUR R. MAKI, Vol. 12, No. 2, August 1972, pp. 345–346.

Industrial Location: An Economic Geographical Analysis, by David M. Smith. Review by S. EARL BROWN, Vol. 12, No. 3, December 1972, pp. 492–494.

Industrial Location in the United States, by James C. Burrows, Charles E. Metcalf, and John B. Kaler. Review by S. EARL BROWN, Vol. 12, No. 3, December 1972, pp. 492–494.

Internal Structure of the City: Readings in Space and Environment, by Larry S. Bourne (ed.). Review by KENT P. SCHWIRIAN, Vol. 12, No. 2, August 1972, pp. 333–334.

Man and His Urban Environment: A Sociological Approach, by William H. Michelson. Review by BARRY M. MORIARTY, Vol. 12, No. 2, August 1972, pp. 327–329.

Mathematical Foundations of Systems Analysis, by R. H. Kupperman and H. A. Smith. Review by YUK LEE, Vol. 12, No. 3, December 1972, pp. 486–488.

Multivariate Model Building: The Validation of a Search Strategy, by John A. Sonquist. Review by GEORGE L. PETERSON, Vol. 12, No. 1, April 1972, pp. 162–164.

Operations Research for Management Decisions, by Samuel B. Richmond. Review by RONALD E. MILLER, Vol. 12, No. 1, April 1972, pp. 164–167.

Optimal Patterns of Location, by Jan Serck-Hanssen. Review by M. J. WEBBER, Vol. 12, No. 3, December 1972, pp. 488–491.

Pollution, Property, and Prices, by J. H. Dales. Review by RICHARD G. MARCIS, Vol. 12, No. 2, August 1972, pp. 343–345.

Spectral Analysis, An Introduction to, by J. N. Rayner. Review by GERALD MCCALDEN, Vol. 12, No. 3, December 1972, pp. 482–484.

Stochastic Models of Buying Behavior, by W. F. Massy, D. B. Montgomery, and D. G. Morrison. Review by REGINALD G. GOLLEDGE, Vol. 12, No. 1, April 1972, pp. 167–168.

Urban Analysis: Readings in Housing and Urban Development, by Alfred N. Page and Warren R. Seyfried (eds.). Review by WILLIAM H. MICHELSON, Vol. 12, No. 2, August 1972, pp. 334–336.

Urban Mosaic: Towards a Theory of Residential Differentiation, The, by Duncan Timms. Review by ROBERT A. MURDIE, Vol. 12, No. 3, December 1972, pp. 494–496.

Victorian Toronto, 1850 to 1900: Pattern and Process of Growth, by Peter G. Goheen. Review by RONALD C. SHECK, Vol. 12, No. 2, August 1972, pp. 330–332.

CONTRIBUTORS

ALEXIS, MARCUS. See GEORGE H. HAINES, JR.

ALLEN, W. BRUCE. An Economic Derivation of the "Gravity Law" of Spatial Interaction: A Comment on the Reply, Vol. 12, No. 1, April 1972, pp. 119–126.

———. Review of *The Demand for Travel: Theory and Measurement*, by Richard Quandt (ed.), Vol. 12, No. 2, August 1972, pp. 336–343.

BARR, BRENTON M., IAN J. LINDSAY, and ERHARD R. REINELT. Erratum—Patterns in Urban Spacing in the USSR: An Analysis of Order Neighbor Statistics in Two Dimensional Space, Vol. 12, No. 2, August 1972, p. 325.

BATRA, RAVEENDRA and GERALD W. SCULLY. Technical Progress, Economic Growth, and the North-South Wage Differential, Vol. 12, No. 3, December 1972, pp. 375–386.

BECHDOLT, BURLEY V., JR. See John H. Niedercorn.

BEUTHE, MICHEL V. A Predictive Model of Regional Demands for Freight Transportation, Vol. 12, No. 1, April 1972, pp. 85–93.

BEYERS, WILLIAM B. On the Stability of Regional Interindustry Models: The Washington Data for 1963 and 1967, Vol. 12, No. 3, December 1972, pp. 363–374.

BLACK, WILLIAM R. Interregional Commodity Flows: Some Experiments With the Gravity Model, Vol. 12, No. 1, April 1972, pp. 107–118.

BRASCHLER, CURTIS. A Comparison of Least-Squares Estimates of Regional Employment Multipliers with Other Methods, Vol. 12, No. 3, December 1972, pp. 457–468.

BROWN, S. EARL. Review of *Industrial Location: An Economic Geographical Analysis*, by David M. Smith and *Industrial Location in the United States*, by James C. Burrows, Charles E. Metcalf, and John B. Kaler, Vol. 12, No. 3, December 1972, pp. 492–494.

DIENES, LESLIE. Regional Variations of Capital and Labor Productivity in Soviet Industry, Vol. 12, No. 3, December 1972, pp. 401–406.

DOEKSEN, GERALD A. and DEAN F. SCHREINER. Simulating Short, Intermediate, and Long Run Effects of Private Investment on Employment by Industrial Groupings, Vol. 12, No. 2, August 1972, pp. 219–232.

GALE, STEPHEN. Review of *The Entropy Law and the Economic Process*, by Nicholas Georgescu-Roegen, Vol. 12, No. 3, December 1972, pp. 479–482.

———. Some Formal Properties of Hägerstrand's Model of Spatial Interactions, Vol. 12, No. 2, August 1972, pp. 199–217.

GILLEN, W. J. See A. GUCCIONE.

GOLLADAY, FREDRICK L. and A. DAVID SANDOVAL. Optimal Development Policy in an Open Regional Economy: A Programming Analysis, Vol. 12, No. 2, August 1972, pp. 185–198.

GOLLEDGE, REGINALD G. Review of *Stochastic Models of Buying Behavior*, by W. F. Massy, D. B. Montgomery, and D. G. Morrison, Vol. 12, No. 1, April 1972, pp. 167–168.

GOODCHILD, MICHAEL F. Review of *Combinatorial Programming, Spatial Analysis and Planning*, by Allen J. Scott, Vol. 12, No. 3, December 1972, pp. 484–485.

GREENWOOD, MICHAEL J. Lagged Response in the Decision to Migrate: A Reply, Vol. 12, No. 2, August 1972, pp. 311–324.

GUCCIONE, A. AND W. J. GILLEN. A Simple Disaggregation of a Neoclassical Investment Function, Vol. 12, No. 2, August 1972, pp. 279–294.

HAINES, GEORGE H., JR., LEONARD SIMON, and MARCUS ALEXIS. An Analysis of Central City Neighborhood Food Trading Areas, Vol. 12, No. 1, April 1972, pp. 95–105.

HARRISON, BENNETT. The Intrametropolitan Distribution of Minority Economic Welfare, Vol. 12, No. 1, April 1972, pp. 23–43.

HARTSHORN, TRUMAN A. Review of *Developing Patterns of Urbanization*, by Peter Cowan (ed.), Vol. 12, No. 2, August 1972, pp. 346–347.

HENDERSON, J. V. Hierarchy Models of City Size: An Economic Evaluation, Vol. 12, No. 3, December 1972, pp. 435–441.

HOPKINS, FRANK E. Transportation Cost and Industrial Location: An Analysis of the Household Furniture Industry, Vol. 12, No. 2, August 1972, pp. 261–277.

HUMPHREY, DAVID BURRAS. Regional Multipliers and Effective Production: A Synthesis, Vol. 12, No. 1, April 1972, pp. 45–55.

HURTER, ARTHUR P., JR. and RICHARD E. WENDELL. Location and Production—A Special Case, Vol. 12, No. 2, August 1972, pp. 243–247.

KOENKER, ROGER. An Empirical Note on the Elasticity of Substitution Between Land and Capital in a Monocentric Housing Market, Vol. 12, No. 2, August 1972, pp. 299–305.

KOROPECKYJ, I. S. Methodological Problems of Calculating National Income for Soviet Republics, Vol. 12, No. 3, December 1972, pp. 387–400.

KUENNE, ROBERT E. Exact and Approximate Solutions of Constrained Dynamic Combinatorial Problems in Space, Vol. 12, No. 1, April 1972, pp. 1–22.

LABER, GENE. Lagged Response in the Decision to Migrate: A Comment, Vol. 12, No. 2, August 1972, pp. 307–310.

LAVE, LESTER B. The Demand for Intercity Passenger Transportation, Vol. 12, No. 1, April 1972, pp. 71–84.

LEE, YUK. Review of *Causal Models in the Social Sciences*, by H. M. Blalock (ed.) and *Mathematical Foundations of Systems Analysis*, by R. H. Kupperman and H. A. Smith, Vol. 12, No. 3, December 1972, pp. 486–488.

———. Review of *Elementary Mathematical Economics*, by S. G. B. Henry, Vol. 12, No. 1, April 1972, pp. 158–159.

LEVY, MILDRED B. and WALTER J. WADYCKI. Lifetime Versus One-Year Migration in Venezuela, Vol. 12, No. 3, December 1972, pp. 407–415.

LEWIS, WILLIAM C. and JAMES R. PRESCOTT. Urban-Regional Development and Growth Centers: An Econometric Study, Vol. 12, No. 1, April 1972, pp. 57–70.

LIANOS, THEODORE P. The Migration Process and Time Lags, Vol. 12, No. 3, December 1972, pp. 425–433.

LINDSAY, IAN J. See BRENTON M. BARR.

LOVE, ROBERT F. A Computational Procedure for Optimally Locating a Facility with Respect to Several Rectangular Regions, Vol. 12, No. 2, August 1972, pp. 233–242.

LOYNS, R. M. See JAMES A. MACMILLAN.

MACMILLAN, JAMES A., FU-LAI TUNG, and R. M. LOYNS. Differences in Regional Household Consumption Patterns by Urbanization: A Cross-Section Analysis, Vol. 12, No. 3, December 1972, pp. 417–424.

MAKI, WILBUR R. Review of *The Impact of Large Installations on Nearby Areas*, by Gerald Breese *et al.*, Vol. 12, No. 2, August 1972, pp. 345–346.

MARCIS, RICHARD G Review of *Pollution, Property, and Prices*, by J. H. Dales, Vol. 12, No. 2, August 1972, pp. 343–345.

MCCALDEN, GERALD. Review of *An Introduction to Spectral Analysis*, by J. N. Rayner and *Entropy in Urban and Regional Modeling*, by A. G. Wilson, Vol. 12, No. 3, December 1972, pp. 482–484.

MICHELSON, WILLIAM H. Review of *Housing: The Social and Economic Elements*, by Wallace F. Smith and *Urban Analysis: Readings in Housing and Urban Development*, by Alfred N. Page and Warren R. Seyfried (eds.), Vol. 12, No. 2, August 1972, pp. 334–336.

MILLER, EDWARD. A Note on the Role of Distance in Migration: Costs of Mobility Versus Interventing Opportunities, Vol. 12, No. 3, December 1972, pp. 475–478.

MILLER, RONALD E. Review of *Operations Research for Management Decisions*, by Samuel B. Richmond, Vol. 12, No. 1, April 1972, pp. 164–167.

MORIARTY, BARRY M. Review of *Man and His Urban Environment: A Sociological Approach*, by William H. Michelson, Vol. 12, No. 2, August 1972, pp. 327–329.

MORLOK, E. K. and H. L. VANDERSYPEN. Review of *Graph Theory*, by Frank Harary, Vol. 12, No. 1, April 1972, pp. 159–161.

MURDIE, ROBERT A. Review of *The Urban Mosaic: Towards a Theory of Residential Differentiation*, by Duncan Timms, Vol. 12, No. 3, December 1972, pp. 494–496.

MUTH, RICHARD F. See KENNETH WIEAND, JR.

NELSON, ROBERT H. Housing Facilities, Site Advantages, and Rent, Vol. 12, No. 2, August 1972, pp. 249–259.

NIEDERCORN, JOHN H. and BURLEY V. BECHDOLT, JR. An Economic Derivation of the "Gravity Law" of Spatial Interaction: A Further Reply and a Reformulation, Vol. 12, No. 1, April 1972, pp. 127–136.

PETERSON, GEORGE L. Review of *Multivariate Model Building: The Validation of a Search Strategy*, by John A. Sonquist, Vol. 12, No. 1, April 1972, pp. 162–164.

PHILLIPS, BRUCE D. A Note on the Spatial Distribution of Unemployment by Occupation in 1968, Vol. 12, No. 2, August 1972, pp. 295–298.

PRESCOTT, JAMES R. See WILLIAM C. LEWIS.

PYLE, GERALD F. Review of *Applied Factor Analysis*, by R. J. Rummel, Vol. 12, No. 1, April 1972, pp. 155–158.

REINELT, ERHARD R. See BRENTON M. BARR.

REINER, THOMAS A. Racial Segregation: A Comment, Vol. 12, No. 1, April 1972, pp. 137–148.

SANDOVAL, A. DAVID. See FREDRICK L. GOLLADAY.

SCHREINER, DEAN F. See GERALD A. DOEKSEN.

SCHWIRIAN, KENT P. Review of *Internal Structure of the City: Readings in Space and Environment*, by Larry S. Bourne (ed.), Vol. 12, No. 2, August 1972, pp. 333–334.

SCULLY, GERALD W. See RAVEENDRA BATRA.

SHECK, RONALD C. Review of *Cities and Immigrants: A Geography of Change in Nineteenth*

Century America, by David Ward and *Victorian Toronto, 1850 to 1900: Pattern and Process of Growth*, by Peter G. Goheen, Vol. 12, No. 2, August 1972, pp. 330–332.

SIMON, LEONARD. See GEORGE H. HAINES, JR.

TABB, WILLIAM K. Decreasing Black-White Income Differentials: Evaluating the Evidence and a Linear Programming Framework for Urban Policy Choice, Vol. 12, No. 3, December 1972, pp. 443–456.

TUNG, FU-LAI. See JAMES A. MACMILLAN.

VANDERSYPEN, H. L. See E. K. MORLOK.

WADYCKI, WALTER J. See MILDRED B. LEVY.

WEBBER, M. J. Review of *Optimal Patterns of Location*, by Jan Serck-Hanssen, Vol. 12, No. 3, December 1972, pp. 488–491.

WENDELL, RICHARD E. See ARTHUR P. HURTER, JR.

WIEAND, KENNETH, JR. and RICHARD F. MUTH. A Note on the Variation of Land Values with Distance from the CBD in St. Louis, Vol. 12, No. 3, December 1972, pp. 469–473.

WILBANKS, THOMAS J. Review of *General Systems Theory: Foundations, Development, Applications*, by Ludwig von Bertalanffy, Vol. 12, No. 1, April 1972, pp. 168–170.

ZELDER, RAYMOND E. Racial Segregation: A Reply, Vol. 12, No. 1, April 1972, pp. 149–153.